

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 09087696
PUBLICATION DATE : 31-03-97

APPLICATION DATE : 27-09-95
APPLICATION NUMBER : 07249195

APPLICANT : LION CORP;

INVENTOR : ABE SEIJI;

INT.CL. : C11D 17/06 C11D 1/72 C11D 1/74 C11D 3/12

TITLE : TABLET TYPE NONIONIC DETERGENT COMPOSITION

ABSTRACT : PROBLEM TO BE SOLVED: To obtain a tablet type nonionic detergent composition causing no exudation of surfactant even at a high temperature and high humidity and showing an excellent strength and solubility by blending an alcohol type nonionic surface active agent, a clay mineral, an oil-absorbing carrier, and a disintegration accelerator.

SOLUTION: (A) An alcohol type nonionic surfactant (for example, polyoxyethylene-polyoxypropylene alkyl ether) or a fatty acid alkyl ester alkoxylate nonionic surfactant, (B) a clay mineral (for example, montmorillonite), (C) an oil-absorbing carrier (for example, amorphous silica) and (D) a disintegration-accelerating agent (for example, polyoxyethylene-sorbitol fatty acid ester) are blended, and in addition, a cleansing builder, a florescent agent, an enzyme, a bleaching agent, an antistatic agent, a surface modifier, a resoiling preventive and extending agent are appropriately admixed, fed to a granulating machine to effect mixing and granulation, then the granules are made into tablets with a tablet machine to give the objective tablet type nonionic detergent composition having an excellent strength and low-temperature solubility giving fibers flexibility without becoming sticky on its surface at an elevated humidity and temperature.

COPYRIGHT: (C)1997,JPO